

RESOURCE DEVELOPMENT COORDINATING COMMITTEE

Public Lands Section
Sea Gull Room (east building)
September 11, 2007 - 9:00am

Minutes

Members Present:

ZAREKARIZI, Susan – DNR/Parks
BAILEY, Carmen - DWR
GUNNELL, Roy – UDAF
QUICK, Shelly – DWQ
SEDDON, Matt – State History
KLOTZ, ERIC– Div. Water Resources
WILDE, Kenneth – DEQ/Drinking Water
MENATTI, John – DEQ/DERR
SCHLOTTHAUER, Bill – Div. Water Rights
GRIERSON, Dave – FFSL
WILCOX, Rick – SITLA
HARTY, Kimm - UGS
CLARK, Robert - DEQ/Air Quality
CHANEY, Jerry - UDOT

Others Present:

WRIGHT, Carolyn - PLPCO
RUPLE, John – PLPCO
HEVEL-MONGO, Karen - NPCA
SMITH, Shelley – BLM (Moab)
MATOVICH, Jeannette - BLM (USO)
HANSON, Josh – BLM (USO)
JEMMING, Jonathan – PLPCO
BLOCH, Steve, SUWA
GARBETT, David - SUWA
HARJA, John - PLPCO
MOWER, Michael - GOPB
WRIGHT, Carolyn - PLPCO

Susan Zarekarizi, Chair, called the meeting to order at approximately 9:10 a.m.

I. Approval of Minutes

The minutes from the August 14 meeting were approved by Dave Grierson, and seconded by Matthew Seddon. The motion passed unanimously.

II. Presentations/Discussions

Moab Draft RMP - Shelley Smith from the Moab Field Office

The draft Moab RMP/EIS is now available. There is a 90-day review and comment period. Comments are due to PLPCO by October 19th. The entire draft and supporting documents can be found on the internet at:

www.blm.gov.ut.st.en/fo/moab/planning.1.html

Federal Air Quality Standards and Utah's Current Attainment Status - Bob Clark (Div. of Air Quality) - Bob explained to the committee **the air in Utah is cleaner today than it was 10 years ago**. The air has gotten cleaner during the same time that the state has experienced rapid growth. They now know that very small quantities of air pollution are far more harmful than previously known. They didn't know enough about the composition and impact of air toxics. Please see attached power point presentation for more details.

The following is the telephone numbers to call when reporting a “smoking” vehicle, or a vehicle that is obviously polluting the air. The County of Registration is responsible for getting that vehicle fixed or off the road. Website:

http://www.airquality.utah.gov/Planning/Mobile/smoking_car.htm

Vehicle Emission Control Hotlines

Cache County	435-792-6611
Davis County	801-546-8860
Salt Lake County	801-944-7664
Utah County	801-851-7600
Weber County	801-399-7140

III. Reports from Agencies on Any Anticipated Projects

Jeannette Matovich, BLM, reported the following:

Price Supplement will be available for a 90-day public comment period starting Sept. 14.

Vernal Supplement and Kanab Draft RMP will be available for 90 day public comment period in October

Richfield Draft RMP will be available for a 90-day public comment period in late Oct./early Nov.

Anticipate RODs on all 6 plans by June of 2008

Managers/ planners from Price and Vernal will be presenting on their plans'

Supplements at the Oct. 9 RDCC meeting

Carmen Bailey, DWR, reported they have one project on the RDCC listing the Book Cliffs Face Guzzler Project. Comments due 9/28/07, project #8398.

Dave Grierson, DFFSL, reported they have two projects on the RDCC listing General Permit 720 00050 Moab Boat Ramp on the Colorado River. Comments due 9/24/07, project #8391. Green River XII – Oil and Gas Lease Nomination. Comments due 10/3/07, project #8408.

Jerry Chaney, UDOT, reported they have two projects coming up – Mountain View Corridor (out in November), and I-15 Utah County early next year.

IV. Adjournment

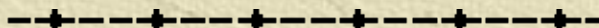
The meeting adjourned at approximately 10:20 am, the next meeting will be held October 9, 2007, **Sea Gull Room (east building)**.



Utah's Air Quality Improvement Program



Robert Clark
Environmental Scientist
Utah Division of Air Quality



Grim Reality



In a Nutshell

-
- ✧ The air in Utah is cleaner today than it was 10 years ago
 - ✧ The air has gotten cleaner during the same time that the state has experienced rapid growth
 - ✧ But...
 - ◆ We now know that very small quantities of air pollution are far more harmful than previously known
 - ◆ We don't know enough about the composition and impact of air toxics

Air Quality Standards

✦ **EPA has designated six criteria pollutants:**

- ✦ Particulate Matter (PM₁₀ & PM_{2.5})
- ✦ Ozone (O₃)
- ✦ Carbon Monoxide (CO)
- ✦ Sulfur Dioxide (SO₂)
- ✦ Nitrogen Dioxide (NO₂)
- ✦ Lead (Pb)

Air Quality Standards

✧ EPA Establishes Health Standards Based On:

- ◆ Epidemiological studies
- ◆ Human and animal Laboratory tests

✧ Standards are set to protect the most sensitive people.

- ◆ Elderly
- ◆ Children
- ◆ People with certain diseases

✧ Costs are not considered when setting the standards.

- ◆ Costs are, however, considered when implementing the standards.

Pollutants of National Concern

✦ Particulate Matter (PM₁₀ & PM_{2.5})

- ◆ Spread over a wide area
- ◆ Problem/Health Effect:
 - Particles get caught deep in the lungs – Correlated with severe cardio/pulmonary conditions and death
- ◆ Sources:
 - Motor vehicle emissions
 - Wood burning stoves
 - Tilling (summer)
 - Sand & gravel operations
 - Combustion processes

Pollutants of National Concern

Ozone (O₃)

- ◆ Combination of VOC & NO_x (sunlight)
- ◆ Spread over a wide area
- ◆ Problem/Health Effect:
 - Causes reduced lung function
 - Can be critical to people with asthma or other lung diseases
- ◆ Sources:
 - Motor vehicle emissions
 - Forests (biogenic emissions)
 - Combustion processes

Pollutants of Concern in Utah

✧ **PM_{2.5}**

- Standard 35 $\mu\text{g}/\text{m}^3$ (24-hr)

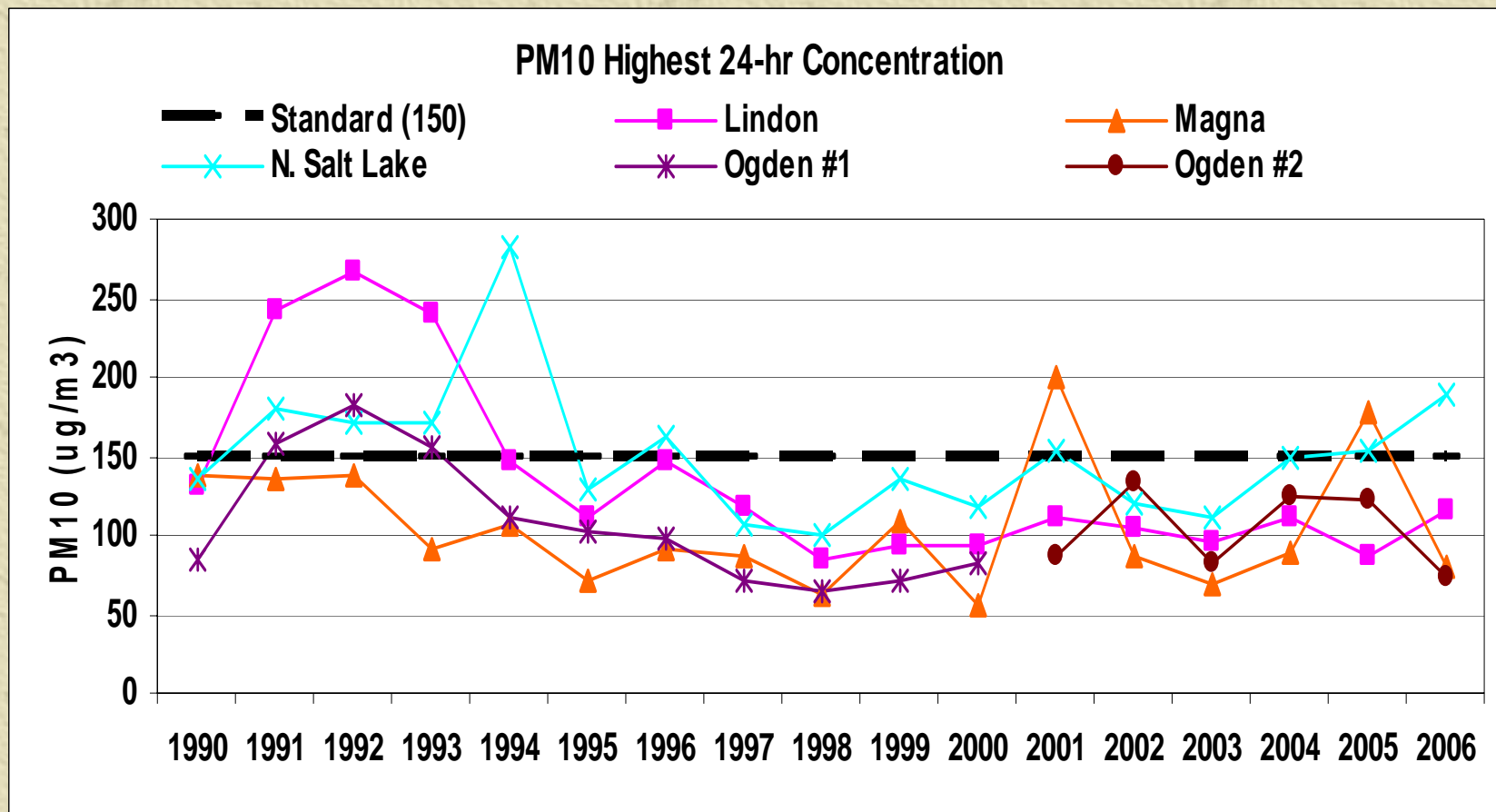
✧ **Ozone**

- Current standard 0.08 ppm (8-hr)
- Range under consideration 0.060 – 0.080 ppm (8hr)
- Proposed standard 0.070 – 0.075 ppm (8-hr)

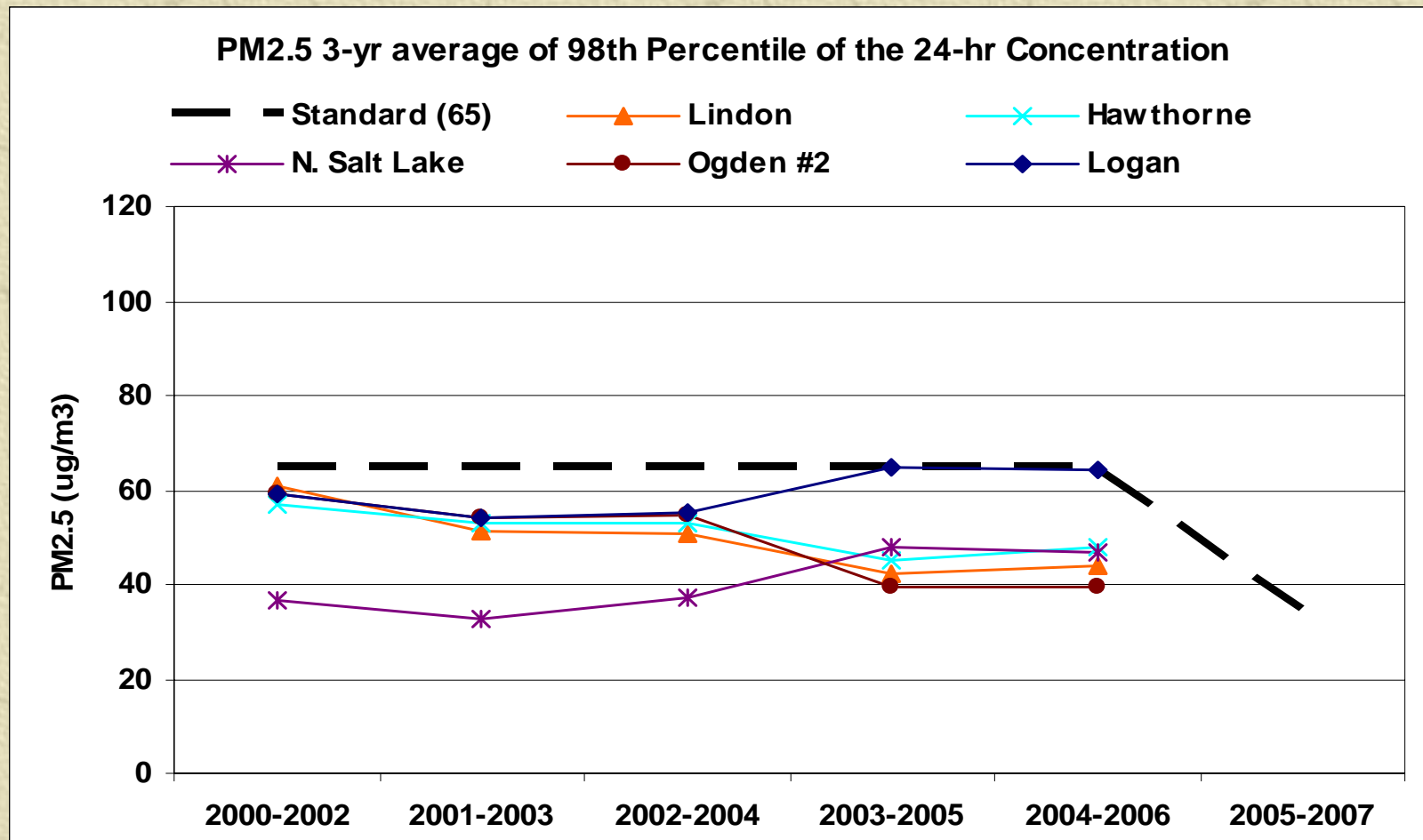
✧ **Where are they exceeded?**

- PM_{2.5} (Wasatch Front, Tooele, Cache Valley & Uinta Basin)
- O₃ Mainly along the Wasatch Front
- Not enough information in rural areas

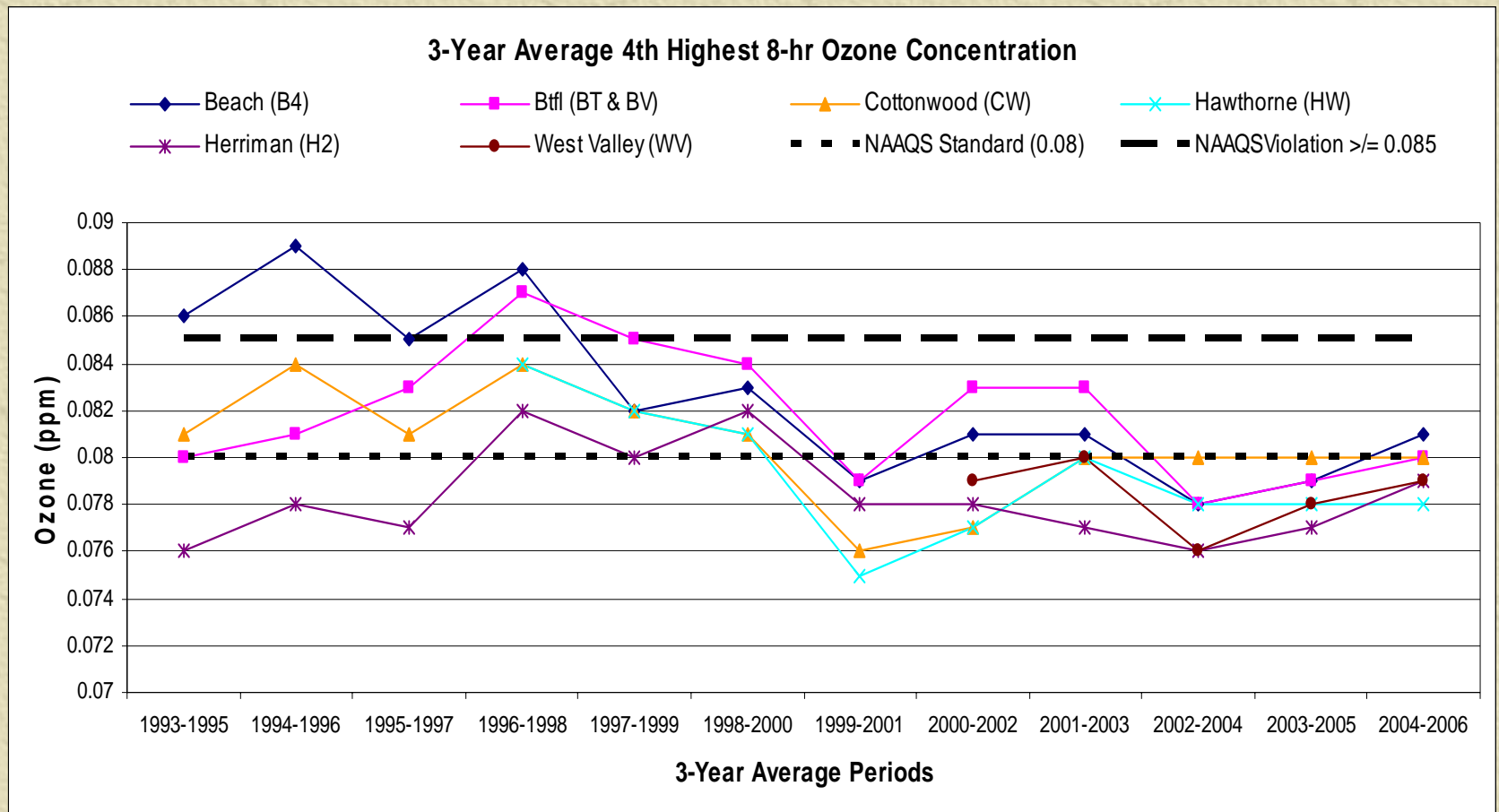
Air Quality Trends



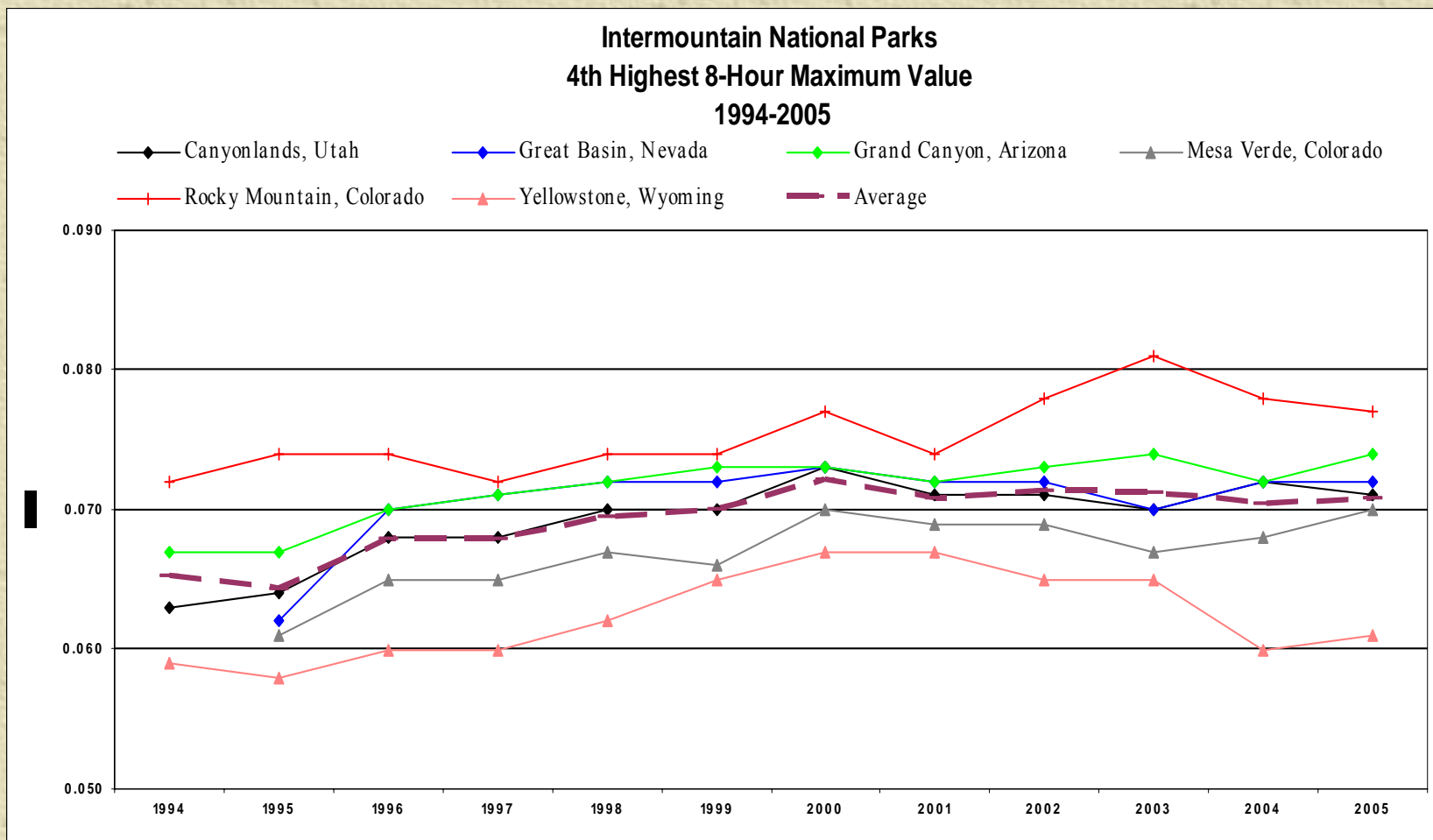
Air Quality Trends



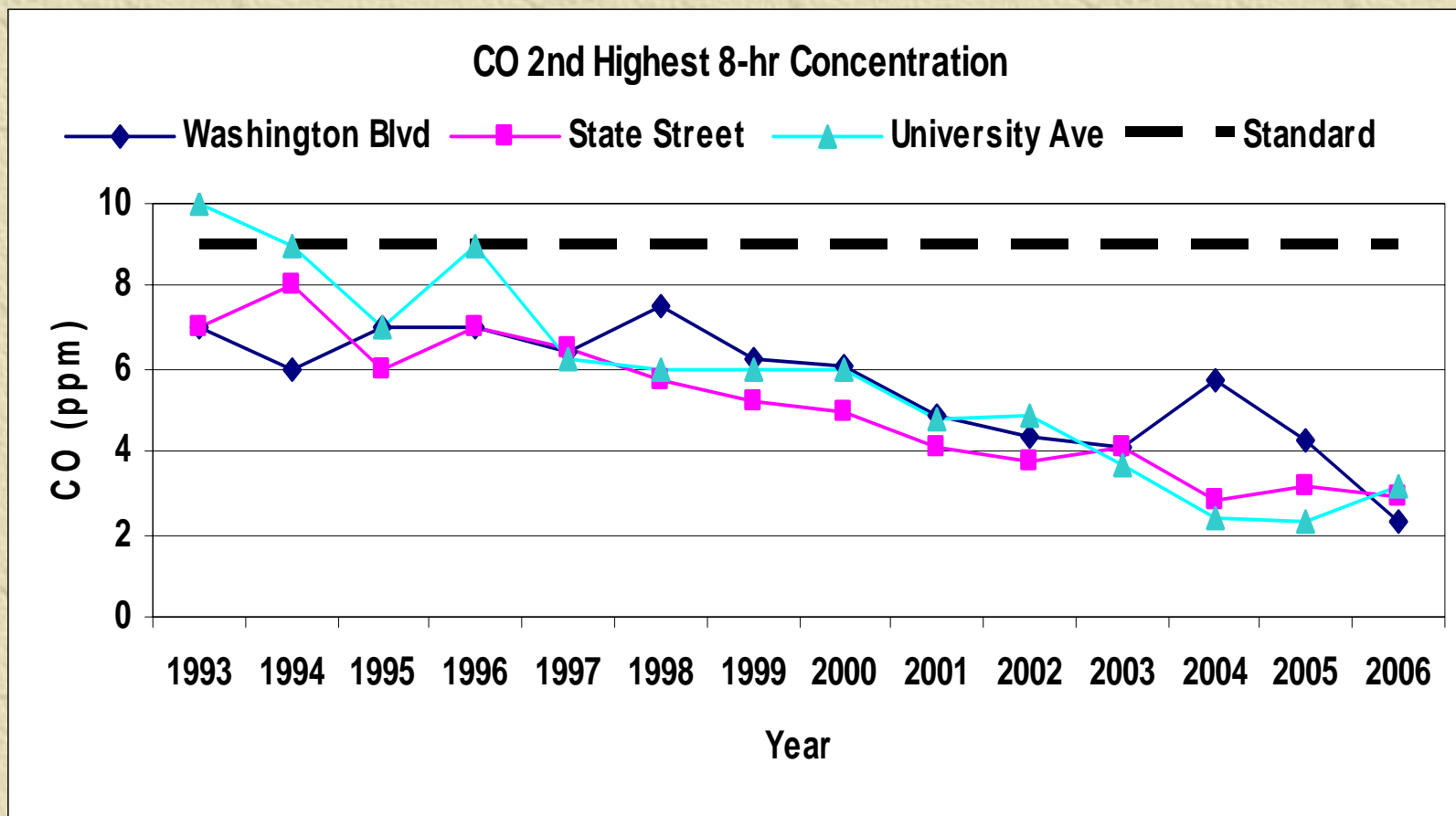
Air Quality Trends



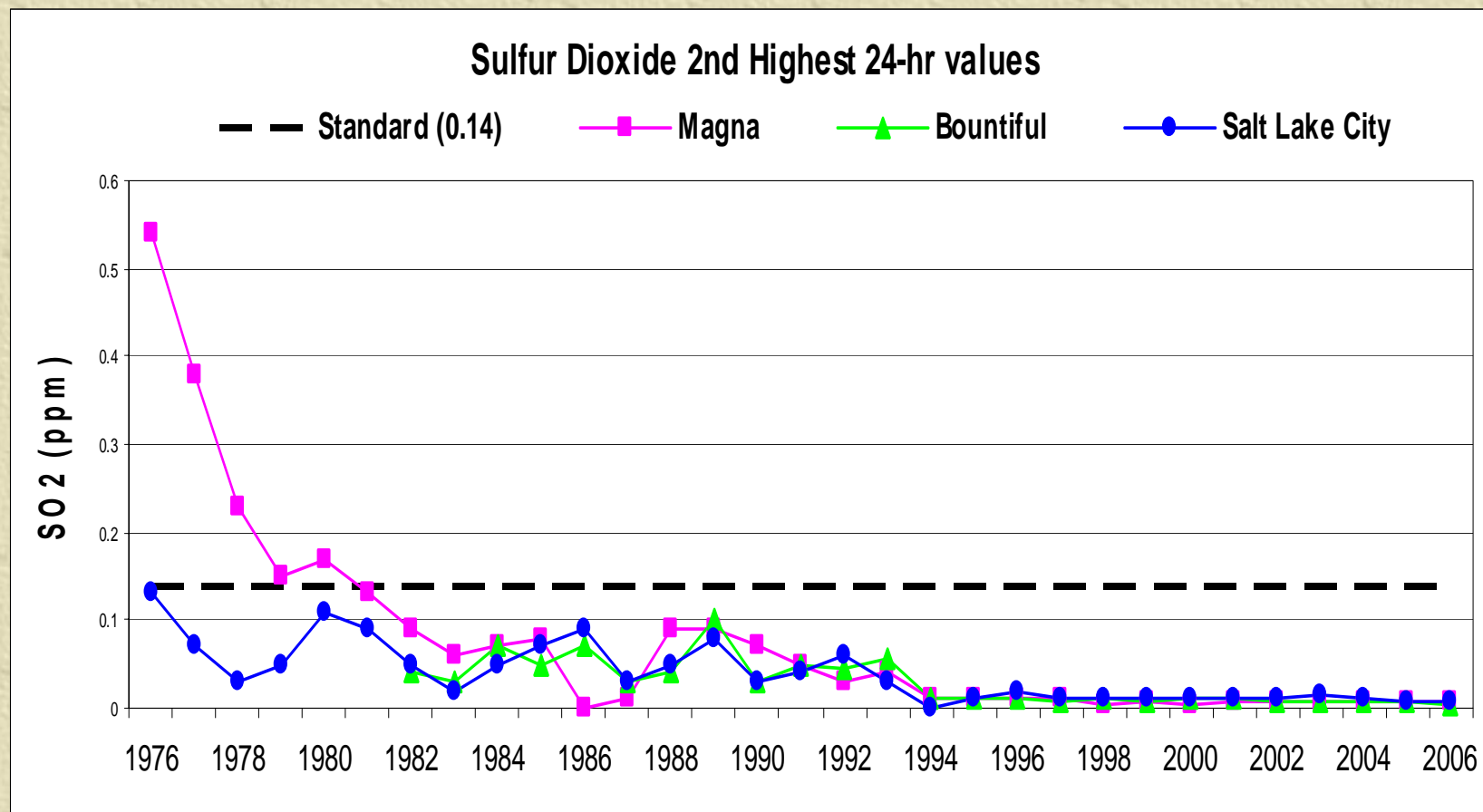
Air Quality Trends



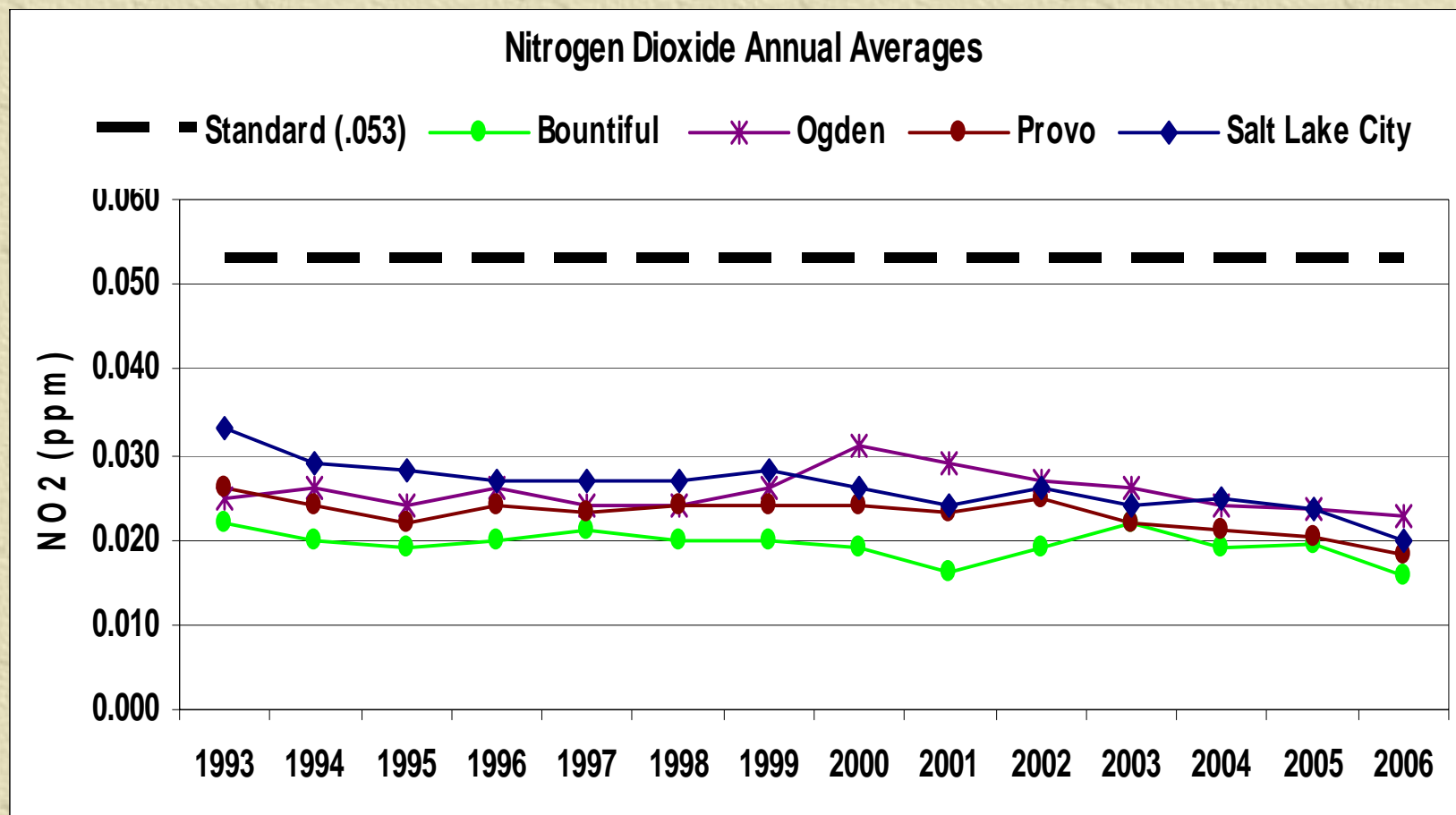
Air Quality Trends



Air Quality Trends



Air Quality Trends



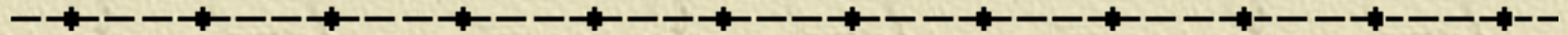
When Standards are Violated

- ✧ All health standards are 3-year averages of monitoring data
 - We can exceed the numeric value a few times
- ✧ Governor submits a list of areas that are in violation of a national standard to EPA
- ✧ EPA can modify the list before approval
- ✧ State must develop an Implementation Plan (SIP) to show how the standard will be attained
- ✧ EPA must approve the completed plan

State Implementation Plan

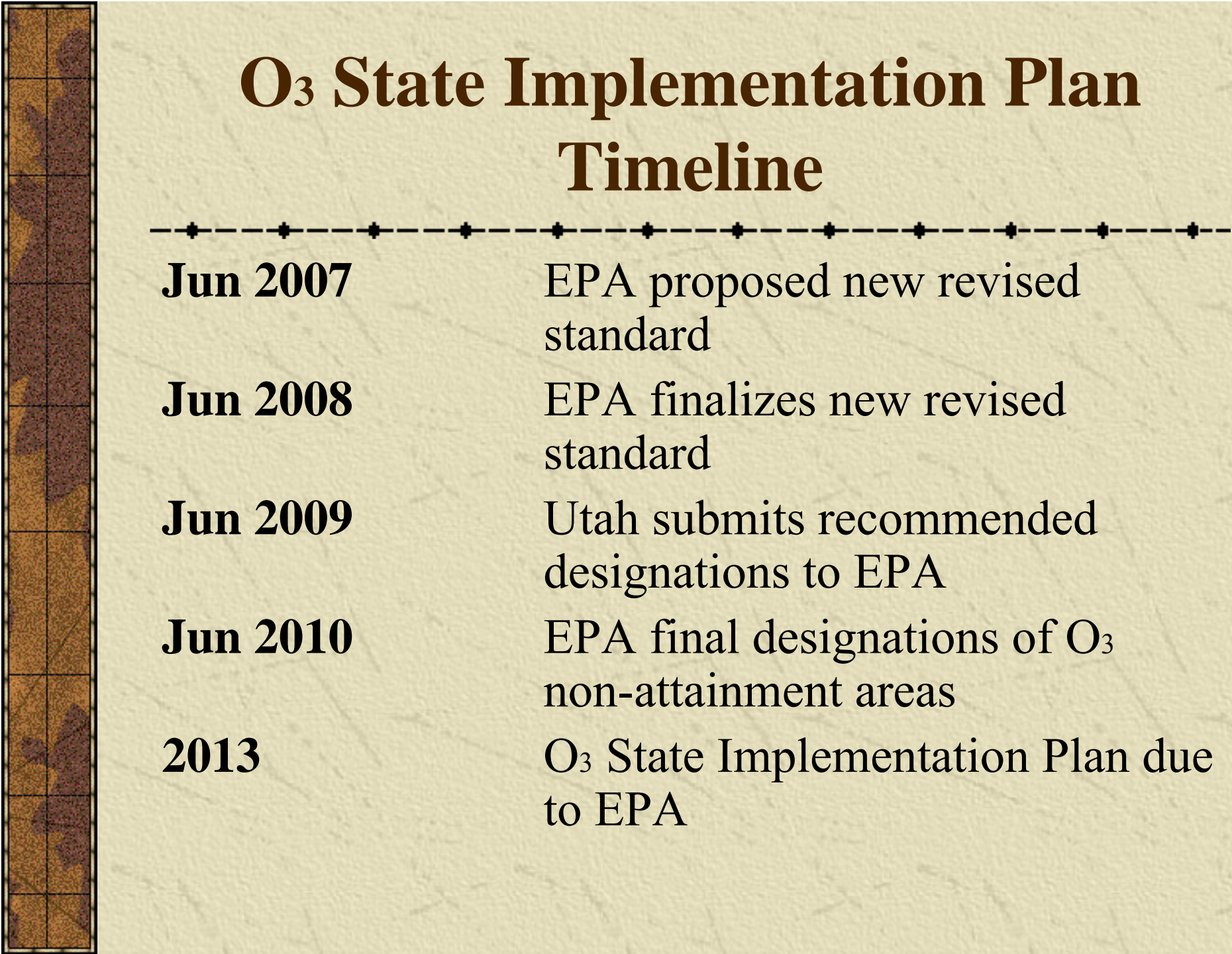
- ✦ Develop an emissions inventory
 - ◆ Stationary, Area & Mobile sources
- ✦ Develop a Computer Model to predict Ambient Air Quality (Concentration of Pollutants)
- ✦ Develop Control Strategies to reduce pollution
 - ◆ Stack scrubbers, dust suppression, vehicle inspections, wood burning restrictions, etc.

PM_{2.5} State Implementation Plan Timeline



Dec 2006	EPA revised PM NAAQS
Dec 2007	Utah recommends designations to EPA
2008-2009	EPA Final designations Effective date 2009-2010
Apr 2012-13	PM _{2.5} State Plan Due to EPA
Apr 2014-20	Attainment date for areas designated in 2009-2010

O₃ State Implementation Plan Timeline



Jun 2007

EPA proposed new revised standard

Jun 2008

EPA finalizes new revised standard

Jun 2009

Utah submits recommended designations to EPA

Jun 2010

EPA final designations of O₃ non-attainment areas

2013

O₃ State Implementation Plan due to EPA

Current National Emission Programs

✧ Cars & Light Duty Trucks:

- Vehicles in 2004 + gasoline in 2010
- 80 % emissions reductions

✧ On-Road Diesel:

- Fuel in 2006 + Vehicles in 2007

✧ Off-Road Diesel:

- Engines phased in 2008-15 + fuel in 2012
- 90 % reduction in NO_x & PM

✧ Locomotives & Small Engines:

- EPA proposed new requirements on April 3, 2007

Major Air Quality Issues

✦ **Implement all new health standards... Plus:**

✦ **Energy/Climate**

- Promote Energy Efficiency & Renewable Energy Policies and Programs
- Power Plant & vehicle pollution reduction
- Major stakeholder processes

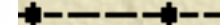
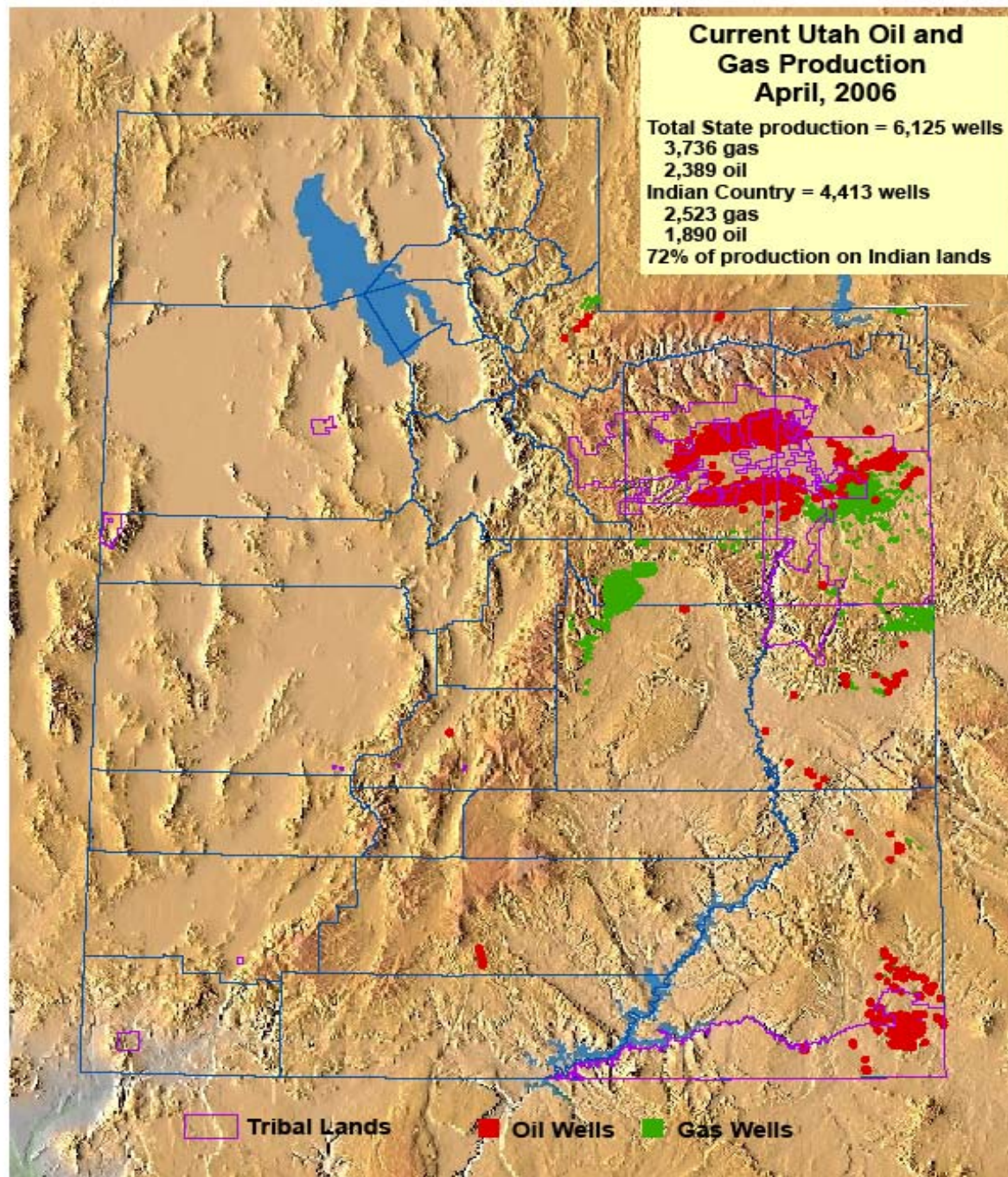
✦ **Community Health**

- Real-time monitoring of community exposure
- Collaboration with Business & Industry, Elected Officials & Local Health Departments

Major Air Quality Issues (cont)

✧ Oil & Gas Production

- ✧ Huge increases in NO_x and organic compounds (PM and O₃ reactants)
- ✧ High PM_{2.5} monitored in Vernal in winter
- ✧ High O₃ predicted in Uinta Basin in summer
- ✧ 72 % wells (2006) on tribal lands with EPA oversight
- ✧ DAQ needs to get ahead of this problem to avoid production disruption
- ✧ Recently formed partnership with Industry, EPA and others to assess potential impacts



Steps Necessary to address Air Quality Issues

- ✦ **List an array of Viable and Quantifiable Strategies**
- ✦ **Work for a consistent Public Health Policy**
- ✦ **Consider:**
 - ◆ The Commitment Level and Capacity necessary to implement intervention
 - ◆ Behavior Change Strategies that will yield Measurable Impacts

Potential Local Strategies

✦ **Employer-Based Transportation Management Plans**

- Car/van pools
- Compressed work week
- Clean vehicle fleets

✦ **Passenger Vehicle Controls**

- Idling restrictions
- Repair gross emitters

✦ **Enhanced Bicycle & Pedestrian Options**

- Bus bike racks
- Secured bike racks
- Free bikes

✦ **Residential & Workplace Facility Emission Reductions**

- Conservation of materials and work hours
- Yard care equipment change-out

Potential Strategies for State Agencies

✦ Agency Interoperability

- ✦ Develop Coordinated State Strategies that consider Air Quality
 - Natural Resources
 - Growth Planning
 - Transportation
 - Public Health
 - Tourism & Recreation
 - Economic Development

Potential Strategies for State Agencies (cont)

✧ Facilities Management

- ◆ Energy Efficiency
- ◆ Maintenance Practices
- ◆ Equipment Replacement

✧ Fleet Management

- ◆ Hybrids
- ◆ Alternative Fuel Vehicles

✧ Agency Practices

- ◆ Trip Consolidation
- ◆ Telecommuting
- ◆ Flexible Work Schedules

Questions?

